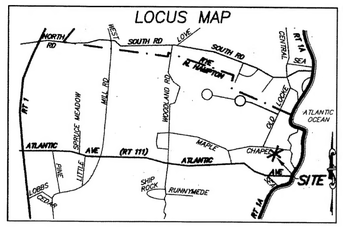
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 446 SCITUATE–NEWFIELDS

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = PREVIOUS DESIGN

#1	SET NAIL @ FND NAIL 30" MAPLE EL 101.37
#2	SET NAIL 18" MAPLE EL 100.89
#3	SET NAIL STUMP EL 99.08

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 100.0
2. THERE IS/ARE APPROX 2.2 FT BELOW EXISTING GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. (ELEV 102.2)

SUITABLE REPLACEMENT AREA:

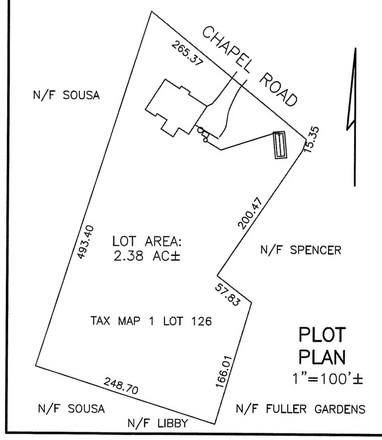
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

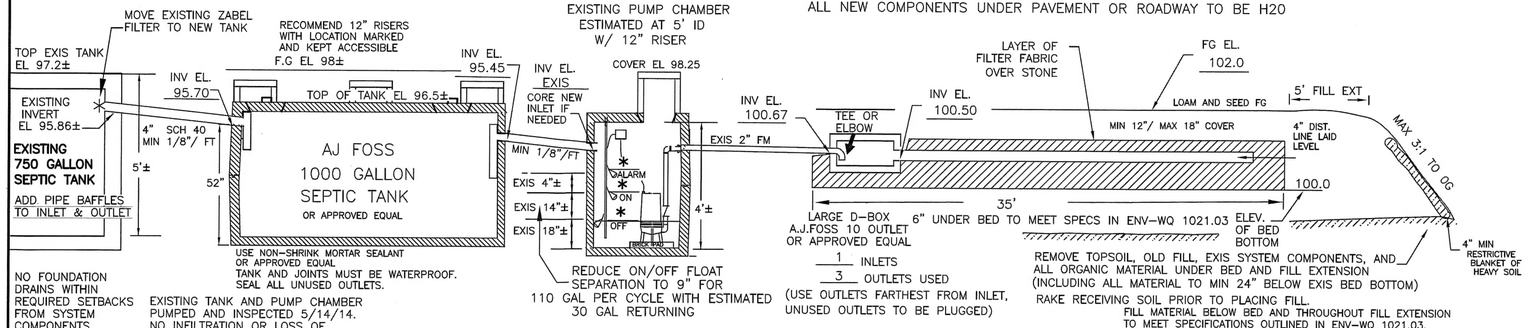
50 — EXISTING CONTOUR
(50) — PROPOSED CONTOUR
50.0 — EXISTING SPOT ELEVATION
(50.0) — PROPOSED SPOT ELEVATION

NOTES:

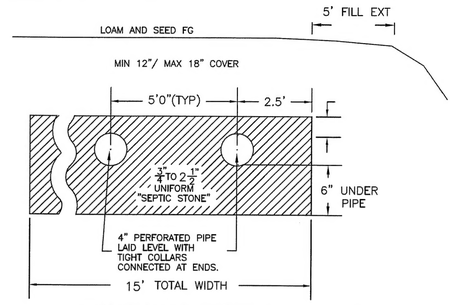
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D24804
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD PRE–1967 SEE RCRD 853–141 (1929)
   PREVIOUS CONSTRUCTION APPVL #CA2000031298
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO SURFACE WATER, HYDRIC A OR B SOIL, OR WATER WELL WITHIN 75' OF PROPOSED SYSTEM.
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404)
   INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.



PLOT PLAN
1"=100'±



CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

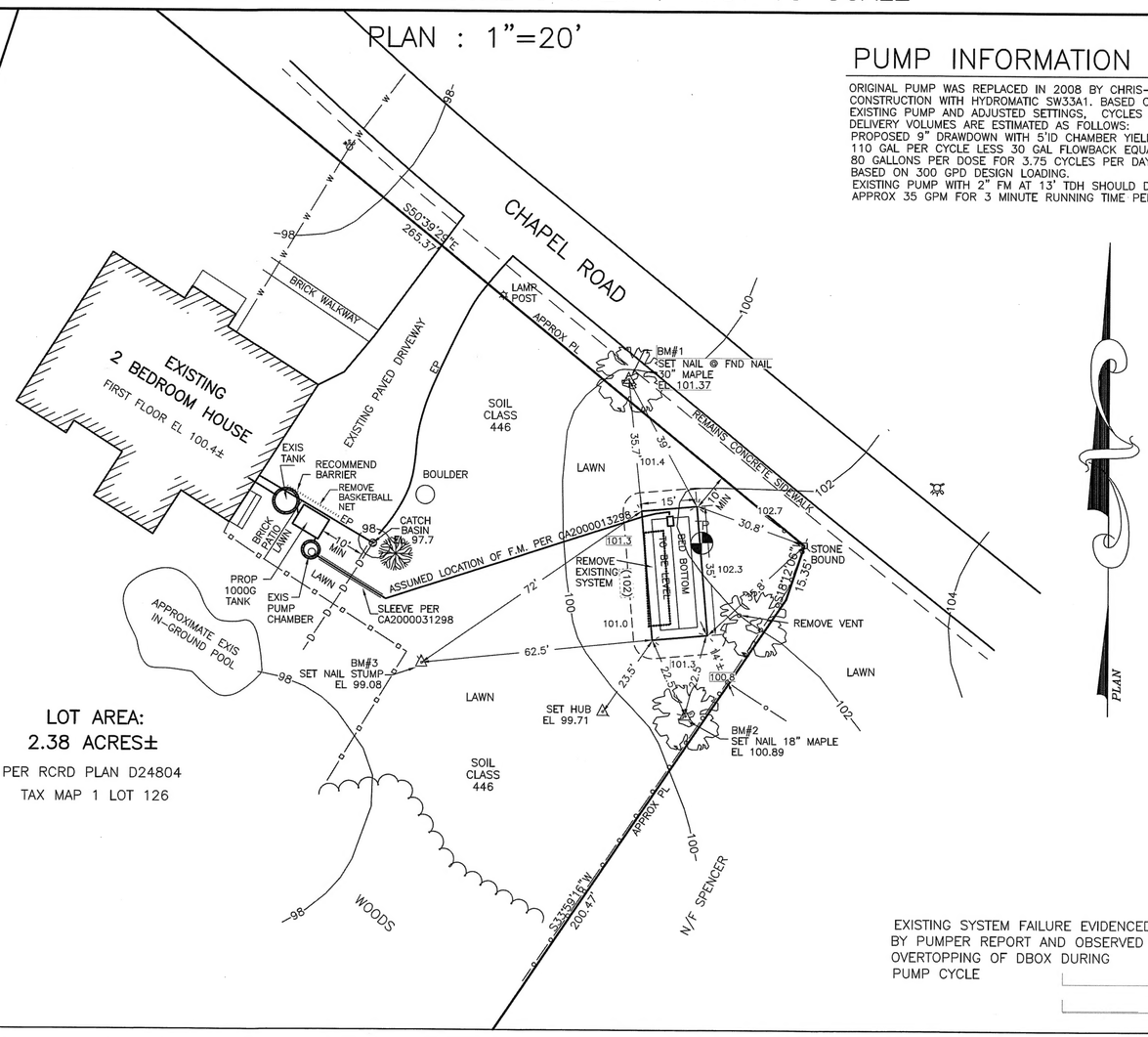


STONE TO MEET SPECIFICATIONS OUTLINED IN ENV–WQ 1016.04
MUST BE CLEAN, UNIFORM, AND WASHED.

PROPOSED ISDS IS DESIGNED DESIGNED TO SERVICE SINGLE FAMILY HOME WITH DISHWASHER, WASHING MACHINE, TOILETS, AND TUB/SHOWERS.

THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL.

PLAN : 1"=20'



EXISTING SYSTEM FAILURE EVIDENCED BY PUMPER REPORT AND OBSERVED OVERTOPPING OF DBOX DURING PUMP CYCLE

PUMP INFORMATION

ORIGINAL PUMP WAS REPLACED IN 2008 BY CHRIS–CO CONSTRUCTION WITH HYDROMATIC SW33A1. BASED ON EXISTING PUMP AND ADJUSTED SETTINGS, CYCLES AND DELIVERY VOLUMES ARE ESTIMATED AS FOLLOWS:
PROPOSED 9" DRAWDOWN WITH 5'ID CHAMBER YIELDS 110 GAL PER CYCLE LESS 30 GAL FLOWBACK EQUALS 80 GALLONS PER DOSE FOR 3.75 CYCLES PER DAY BASED ON 300 GPD DESIGN LOADING.
EXISTING PUMP WITH 2" FM AT 13' TDH SHOULD DELIVER APPROX 35 GPM FOR 3 MINUTE RUNNING TIME PER CYCLE.

TP TEST PIT DATA

DATE: MAY 14, 2014

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 EL 102.2

0 –14" 10YR3/3 FINE SANDY LOAM FILL, GRANULAR FRIABLE
14–24" 10YR6/4 GRAVELLY LOAMY SAND FILL, LOOSE, SINGLE GRAIN
24–32" 10YR2/1 FINE SANDY LOAM, GRANULAR FRIABLE (OLD TOPSOIL, TO BE REMOVED)
32–53" 10YR4/6 FINE SANDY LOAM, FRIABLE, BLOCKY
53–64" 2.5Y4/3 SAND, LOOSE, MASSIVE, WITH REDOX (MOTTLES)

ESHWT @ 53", OBSERVED WATER @ 64" , NO REFUSAL

PT PERC TEST DATA

DESIGN PERC RATE: 8 MIN/IN (CA2000031298)

DESIGN LOADING: EXISTING 2 BEDROOM HOUSE

LEACH FIELD AREA REQUIRED: 500 SF LEACHING AREA REQUIRED

LEACH FIELD AREA PROPOSED: 15' X 35' = 525 SF PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM
PREVIOUS CONSTRUCTION APPROVAL #CA2000031298

LOCUS: 10 CHAPEL ROAD
NORTH HAMPTON, NH
TAX MAP 1 LOT 126

OWNER: ANNA P. & RICHARD E. DENNEHY
10 CHAPEL ROAD
NORTH HAMPTON, NH 03862

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
603 929–7404

DATE: MAY 19, 2014

APPROVAL: CA2014117544
5/20/2014

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.